8.6kW 3-Phase Monitored PDU, 208/120V Outlets (36 C13, 6 C19 & 3 5-15/20R), NEMA L21-30P, 3 ft. Cord, 0U Vertical, TAA

MODEL NUMBER: **PDU3VN3L2130**



High-capacity 8.6kW PDU powers high-density data center equipment racks. LED display and Ethernet interface help you monitor load levels with billing-grade accuracy to prevent PDU and circuit overloads that cause downtime.

Description

The PDU3VN3L2130 8.6kW 3-Phase Monitored PDU features 45 outlets for distributing network-grade 208/120V AC power to rack-mounted network devices, including computers, servers, routers and switches. Outlets are arranged in six load banks: 36 C13 208V and six C19 208V outlets divided evenly into three banks and three NEMA 5-15/20R 120V outlets, each in its own bank.

A built-in SNMPWEBCARD enables full remote access for power monitoring, configuration, control and notifications 24 hours a day via secure web browser, telnet or SSH, as well as real-time load/current data with billing-grade accuracy (+/- 1 percent). Tiered access privileges allow both an administrator and a guest to log in. Automated alerts help prevent accidental overloads, power loss and downtime. Digital LED display indicates amps, kilowatts, volts and power unbalance percentage, as well as temperature and humidity conditions when using the optional ENVIROSENSE module (sold separately).

Protocols supported include HTTP, HTTPS, PowerAlert®, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP, BOOTP and NTP. Network settings can be assigned automatically or manually.

Ideal for three-phase network configurations in high-density data centers and heavily configured equipment racks, the PDU3VN3L2130 mounts vertically in 0U of rack space using the pre-installed buttons or included hardware. The NEMA L21-30P input plug with three-foot cord connects to a compatible AC power source, generator or protected UPS.

Features

Distributes Network-Grade Power

Highlights

- Ideal for 3-phase configurations in high-density data centers
- 3-phase input and single-phase 208/120V output
- 45 outlets (36 C13, 6 C19 and 3 5-15/20R) in 6 load banks
- Ethernet network interface for full remote access 24/7
- Digital LED display for local load monitoring

Package Includes

- PDU3VN3L2130 8.6kW 208/120V 3-Phase Monitored PDU, 3 ft. cord
- (36) C13/C14 plug-lock inserts
- (6) C19/C20 plug-lock inserts
- (3) NEMA 5-15/20R plug-lock inserts
- Spare mounting buttons
- (2) Conventional mounting brackets
- Configuration cable for network interface
- Button/bracket-mounting hardware
- Owner’s manual

- 36 C13 and 6 C19 208V outlets and 3 NEMA 5-15/20R 120V outlets distribute network-grade power to connected equipment
- 6 load banks
- Outlets numbered and color-coded for easy identification of phase and load bank

Multi-Function Digital LED Display
- Indicates amps, watts, volts, power unbalance percentage, as well as selected input phase, load bank, output power and sensor option
- Rotates 180° for overhead or raised-floor power feeds

Advanced Network Monitoring
- Built-in SNMPWEBCARD enables full remote access for power monitoring, configuration and control via secure web browser, telnet or SSH
- Real-time load/current data with billing-grade accuracy (+/- 1%)
- Tiered access allows administrator and guest to log in
- Automated alerts help prevent accidental overloads, power loss and downtime
- Optional ENVIROSENSE module (sold separately) monitors temperature and humidity conditions

Broad Communications Compatibility
- Supports HTTP, HTTPS, PowerAlert, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP, BOOTP and NTP
- Network settings can be automatically or manually assigned via permanent IP addresses

Connects to AC Power Source
- NEMA L21-30P input plug with 3 ft. cord for connection to mains power source, generator or protected UPS
- Plug-lock inserts keep equipment power cords connected to outlets

Ready for Immediate 0U Toolless Rack-Mounting
- Pre-installed buttons for toolless mounting in compatible EIA-standard 2-post and 4-post racks
- Conventional 0U installation possible with included mounting hardware

TAA-Compliant
- Complies with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332196088
PDU Type	Monitored
INPUT	
Input Phase	3-Phase
Recommended Electrical Service	30A 208V with L21-30R outlet
Maximum Input Amps	24

Maximum Input Amps Details	Agency de-rated to 24A continuous
PDU Plug Type	NEMA L21-30P
Input Cord Details	Cord length specifications are nominal and subject to manufacturing variance
Input Cord Length (ft.)	3
Input Cord Length (m)	0.91
OUTPUT	
Output Capacity Details	8.6kW (208V) total capacity; 13.9A max per output phase (L1-L2, L2-L3, L3-L1), 12A max per C13 outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacle Details	5-15/20R outlets provide 120V output; C13 and C19 outlets provide 208V output
Output Receptacles	(3) 5-15/20R; (36) C13; (6) C19
Output Nominal Voltage	120; 208
Overload Protection	3 20A circuit breakers, one per output load bank
USER INTERFACE, ALERTS & CONTROLS	
Reported Load Segments	Supports monitoring of input current per phase (L1, L2, L3) and output current for each output load bank (B1-B6); Outlets are color-coded and labeled for phase and load bank identification; L1-L2 feeds black C13/C19 outlets (B1); L2-L3 feeds dark-gray C13/C19 outlets (B2); L3-L1 feeds light-gray C13/C19 outlets (B3); L1-N feeds black 5-20R outlet (B4); L2-N feeds dark-gray 5-20R outlet (B5); L3-N feeds light-gray 5-20R outlet (B6)
Front Panel LCD Display	Large digital display reports Amperage, Kilowatts, Voltage, Unbalance percentage, Temperature* and Humidity* information (*requires ENIVIROSENSE option); Small digital display provides detail on the measurement the large display is reporting: Input-phase (L#), Load bank (B#), Sensor (S#), Load unbalance (UB), Output power (OP)
Front Panel LEDs	Set of 6 LEDs identify the value displayed on the large digital display: Amperage (A), Kilowatts (kW), Voltage (V), Unbalance percentage (%UB), Temperature (T), Humidity (%RH); 3 additional multi-color LEDs offer power availability information for each pair of output load banks (Bank 1&4 / Bank 2&5 / Bank 3&6): GREEN (<80% load), YELLOW (>80% load), RED (Power OFF), RED FLASHING (Power OFF/breaker trip)
Switches	Set of UP/DOWN arrow buttons scroll through available Input, Bank, Power, Load balance and Sensor options; Additional MODE button advances the LEDs to view the next measurement
Current Measurement Accuracy (Amps)	+/-1%
Voltage Measurement Accuracy (Volts)	+/-1%
Power Measurement Accuracy (Watts)	+/-1%
SURGE / NOISE SUPPRESSION	
Automatic Shut-Off	No
PHYSICAL	
Material of Construction	Metal
Form Factors Supported	Vertical rackmount installation supported with included mounting brackets; supports toolless mounting in button-mount compatible racks
PDU Form Factor	Vertical (0U)
Shipping Dimensions (hwd / in.)	6.30 x 9.70 x 75.80
Shipping Dimensions (hwd / cm)	16.00 x 24.64 x 192.53

Shipping Weight (lbs.)	23.80
Shipping Weight (kg)	10.80
Unit Dimensions (hwd / in.)	70.000 x 2.170 x 2.520
Unit Dimensions (hwd / cm)	177.8 x 5.512 x 6.401
Unit Weight (lbs.)	13.5
Unit Weight (kg)	6.12
ENVIRONMENTAL	
Storage Temperature Range	-15°C to +50°C (+5°F to +122°F)
Relative Humidity	5-95% non condensing
Operating Elevation	0-10,000
COMMUNICATIONS	
PowerAlert Software	SNMPWEBCARD Interface: PowerAlert 12
Communications Cable	RJ45-to-DB9 configuration/console Access cable
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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